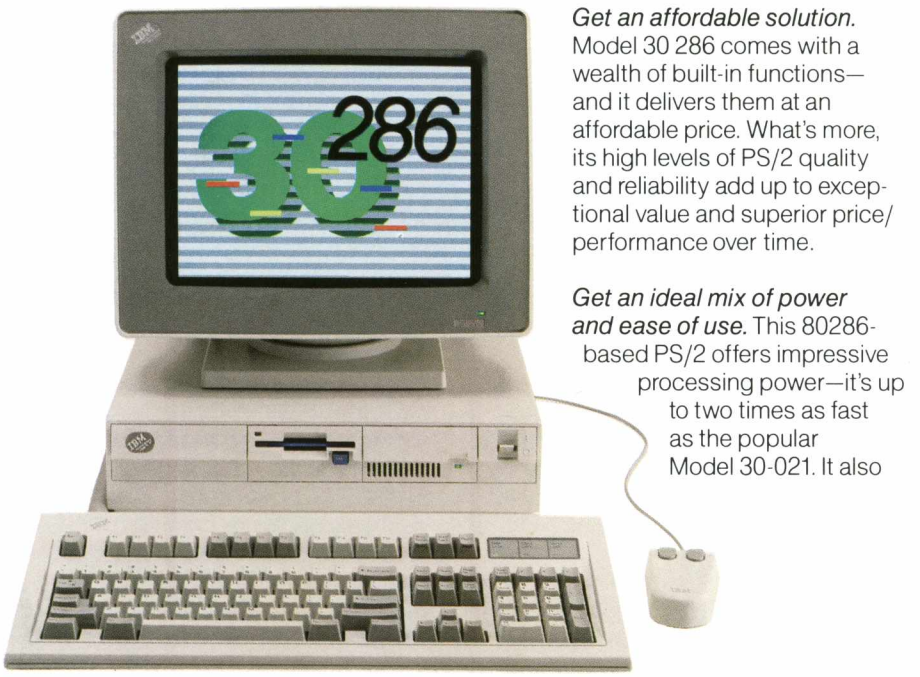
Right for today,
ready for tomorrow

IBM Personal System/2 Model 30 286



The performance you want... the compatibility you need

For business, for education, for boosting your personal productivity, choose IBM Personal System/2® Model 30 286. Teamed with the new IBM Disk Operating System (DOS) 4.0, it's a powerful solution that offers both PS/2® performance and IBM PC compatibility—the right combination to help you work faster, easier and smarter, starting today.

Get an affordable solution. Model 30 286 comes with a wealth of built-in functions—and it delivers them at an affordable price. What's more, its high levels of PS/2 quality and reliability add up to exceptional value and superior price/performance over time.

Get an ideal mix of power and ease of use. This 80286-based PS/2 offers impressive processing power—it's up to two times as fast as the popular Model 30-021. It also comes standard with VGA graphics, 20Mb of fixed disk storage,[1] a 1.44Mb diskette drive, and 0.5Mb of memory that you can expand to 4Mb on the system board.

In addition, Model 30 286 features fast and easy setup—and a friendly tutorial. So even if you're new to computing, you can use this system to full advantage right away.

Get a bridge to the future—plus compatibility with the past. With Model 30 286, you're immediately in step with PS/2 technology that will set the pace in personal computing for years to come. At the same time, you've got a system that helps protect the investment in hardware and software you may already have. Model 30 286 can use many of the same feature cards and peripherals used with IBM Personal Computer ATs® and Personal Computer XTs.™ And it will support many of the DOS-based programs these systems support—and do a better job of it, too.

That's especially true when you use Model 30 286 with DOS 4.0. This latest version of DOS provides both new levels of performance and enhanced ease of use for applications of every kind.

There's more. Model 30 286 not only enables you to take advantage of a vast library of DOS applications, it supplies the power to support IBM Operating System/2™ Standard Edition 1.1 (OS/2™) applications as well.

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The Bigger Picture

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Highlights
Whether you use Model 30 286 as a stand-alone system or connect it in a network, you'll benefit from PS/2 features and functions that amount to better price/performance than ever before.

80286 microprocessor delivers high-speed performance to help you process information quickly. For even greater calculation speed, an optional IBM 80287 Math Co-Processor can be installed.

Integrated functions give you significant capability from the start. Model 30 286 comes with advanced color and graphics capabilities—plus built-in support for your display, printer, keyboard, modem and pointing device. All these features are packed into just a few components—making Model 30 286 both streamlined and reliable.

0.5Mb to 4Mb user memory on the system board gives you plenty of room for large programs and lengthy documents. And you can take memory even higher with an optional IBM Personal System/2 Multifunction Adapter. So you'll be able to keep pace with changing needs and even support multitasking with OS/2.

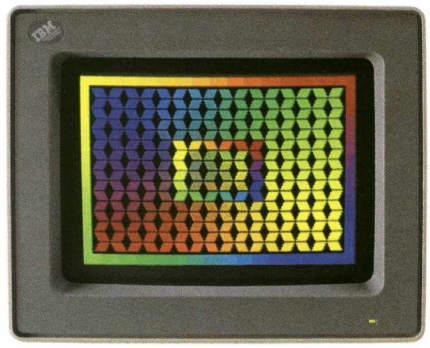
20Mb fixed disk provides ready-access storage for more than 10,000 pages[2] of information.

1.44Mb diskette drive lets you easily load files and programs stored on high-density, 3.5-inch diskettes that can hold as many as 720 pages[2] of information. The drive also provides full read/write compatibility with 720Kb diskettes.

Three expansion slots let you customize and enhance Model 30 286 as your business needs grow.

IBM Personal System/2 Model 30 286 at a glance

Machine number	8530-E21[1]
80286 microprocessor	10 MHz, 1 wait state
Optional 80287 Math Co-Processor	10 MHz
Memory (RAM)	
On system board	0.5Mb to 4Mb (120ns)
System maximum	16Mb
Integrated functions	128Kb permanent memory (ROM), Video Graphics Array (VGA) and display port, serial port, parallel port, pointing device port, keyboard port and diskette controller, clock/calendar
System expansion	Three available 16-bit expansion slots
Operating systems	DOS 3.3 or 4.0, IBM Operating System/2 Standard Edition 1.1
Storage	
Standard	One 1.44Mb 3.5-inch diskette drive; 20Mb (80ms) fixed disk
Optional	IBM 5.25" External Diskette Drive, IBM 3363 Optical Disk Drive, IBM 6157 Streaming Tape Drive, IBM 20Mb fixed disk (Model 8530-E01 only)
Text/graphics support	VGA supports CGA, EGA and MCGA modes and provides up to 256 colors (from a palette of over 256,000) and 64 shades of gray (monochrome)
Display modes	All CGA and EGA modes plus: 320 x 200 pels x 256 colors—all points addressable 640 x 480 pels x 16 colors—all points addressable 9 x 16 character box—16 colors (text)
Keyboard	101 keys, including 12 function keys, 3 lighted mode indicators; 6-foot coiled cable
Supported displays	IBM Personal System/2 Color Displays 8512, 8513 and 8514; IBM Personal System/2 Monochrome Displays 8503 and 8507
Supported printers	IBM Proprinter™ family, IBM Quietwriter® printers, IBM Pageprinter, IBM Color Jetprinter, IBM Quickwriter™ Printer
Communications support	IBM Token-Ring Network PC Adapter, IBM PC Network Adapter II, IBM PC Network Baseband Adapter, IBM 3270 Emulation Adapter, IBM 5250 Emulation Adapter
Power supply	90-watt worldwide with switch voltage selection
Size	Approx. 4"H x 16"W x 15.6"D (102mm x 406mm x 397mm); 19 lbs. (8.6 kg)



Built-in Video Graphics Array (VGA) capabilities provide videolike clarity for business graphics, text, even digitized photos. These advanced capabilities result in a screen image that's brilliant and natural looking. VGA also supports CGA, EGA and MCGA graphics and text.

256 colors (from a palette of over 256,000) plus 64 shades of gray are built in to add interest and impact to your reports and presentations.

Five superior analog displays offer you a choice of price and function. Whether you need crisp text or vivid, detailed color graphics, you'll find the right display to suit your work and your budget.

Switchless setup means all you do to get started is connect your keyboard, display and printer. Convenient ports keep things simple, with no cards to install or switches to set.

Wide range of communications options makes Model 30 286 right for use within a number of networks and larger system environments.

What you get

IBM Personal System/2 Model 30 286 is packaged in two cartons. One contains the keyboard. The other contains the system unit plus:

- System unit power cord
- Keyboard cable
- Guide to Operations
- System starter diskette with tutorial, diagnostics and IBM cache
- Technical directory

Enhancement products

Model 30 286 supports a wide array of optional devices—including many of the peripherals supported by IBM Personal Computers. Following is a list of some of the options available for Model 30 286:

- IBM Personal System/2 80287 Math Co-Processor (10 MHz)
- IBM Personal System/2 Multifunction Adapter
- IBM 0.5Mb Memory Module Kit[3]
- IBM 2.0Mb Memory Module Kit[4]
- IBM Personal System/2 Mouse
- IBM Personal System/2 5.25" External Diskette Drive Model 4869-001
- IBM Personal System/2 Data Migration Facility
- IBM 6157 Streaming Tape Drive
- IBM 3363 Optical Disk Drive
- IBM Serial/Parallel Adapter
- IBM BSC Communications Adapter
- IBM SDLC Communications Adapter
- IBM 3270 Emulation Adapter
- IBM 5250 Emulation Adapter
- IBM Token-Ring Network PC Adapter[5]
- IBM PC Network Adapter II
- IBM PC Network Baseband Adapter
- IBM Personal System/2 3117 Adapter
- IBM Personal System/2 High Speed Adapter

Warranty/Service

Every IBM product is built to meet high standards of quality and reliability. So you can count on Model 30 286 to perform smoothly year after year.

Model 30 286 is backed by a one-year limited warranty. Extended service terms are available from IBM and from IBM Authorized Dealers.

With an IBM Maintenance Agreement, you can arrange for on-site service.

IBM Personal System/2 Model 30 286 features

Feature	Function	Benefit
Intel 80286 microprocessor	Processes data at a clock speed of 10 MHz	Enhanced performance contributing to greater system throughput
0.5Mb to 4Mb of memory (RAM) on the system board	Provides electronic workspace for programs and files plus room to grow; expandable to a system maximum of 16Mb	Fast data processing; support for advanced applications; capability to keep pace with changing needs
Integrated functions and streamlined design	Pack more capabilities into fewer components; reduce overall size; require fewer internal cables; include 128Kb of permanent memory containing BASIC language interpreter and Power-on Self-test	Easy setup, operation and expansion; efficient use of workspace; enhanced reliability; built-in programming aids; quick problem identification
20Mb fixed disk drive[1]	Provides storage for up to 10,000 pages[2] of information; improves performance through 2:1 interleave and disk cache; controller integrated on fixed disk	Ample storage capacity; fast, convenient access to programs and data; fixed disk does not require expansion slot
1.44Mb 3.5-inch diskette drive	Stores up to 720 pages[2] of information on a double-sided diskette; reads/writes to and from both 1.44Mb and 720Kb diskettes	Efficient, reliable data storage; flexibility
3.5-inch diskettes	Protect media in hard plastic enclosure	Smaller, more portable; reliable storage
Integrated VGA capabilities	Include up to 256 colors (from a palette of over 256,000) plus 64 shades of gray (monochrome); support VGA modes as well as EGA, CGA and MCGA	High-quality, high-detail graphics and text; improved on-screen readability; protection of investment in EGA- and CGA-based software
IBM PS/2 Enhanced Keyboard	Has 101 keys, including 12 function keys and 3 lighted mode indicators	Simplified command entry; less chance of accidental printing or erasing
Network and host emulation capabilities	With the appropriate hardware and software, offer network services and connection to larger systems	Shared hardware and software; electronic mail capability; workgroup productivity benefits; access to mainframe functions, files and applications
5.25-inch external diskette drive option	Provides capability to interchange data and software with systems that use 5.25-inch diskettes	Compatibility with IBM PC 360Kb diskettes
200Mb optical disk drive option	Writes once, reads many times; holds up to 100,000 pages[2] of information on one cartridge	Large permanent storage; fixed disk backup; software archiving
Tape drive option	Saves/restores fixed disk data	Fixed disk backup and file restoration; removable media for archiving
IBM support and service	Assure parts and service nationwide; offer 12-month limited warranty	Customer purchase backed by IBM support and service

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[1] *Also available as Model 8530-E01 without a fixed disk through IBM Authorized Dealers.*
[2] *8½ x 11-inch, double-spaced typewritten pages.*
[3] *P/N 30F5348.*
[4] *P/N 30F5360.*
[5] *Half-size version only.*

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